

PAT-NO: JP411114793A

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TITLE: CLOTH USED FOR MANUFACTURE OF MAGNETIC
RECORDING MEDIUM

PUBN-DATE: April 27, 1999 

INVENTOR-INFORMATION:

| NAME | COUNTRY |
|-------------------|---------|
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ASSIGNEE-INFORMATION:

| NAME | COUNTRY |
|-----------------------------|---------|
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| KANEBO SYNTHETIC FIBERS LTD | N/A |

APPL-NO: JP09296296

APPL-DATE: October 13, 1997

INT-CL (IPC): B24B021/00, G11B005/84 , B24D011/00

ABSTRACT:

PROBLEM TO BE SOLVED: To suppress the generation of a crash by specifying rupture strength and tensile elongation, using multifilament for warp, and filaments different in thermal shrinkage percentage for both or one of warp and weft, and forming at least one of the filaments of multifilament of specific denier formed by splitting composite fiber.

SOLUTION: Cloth for wiping or polishing the substrate surface of a magnetic recording medium or the like is formed of satin, and longitudinal rupture strength by a JISL1096 A method is 20 kgf/50 mm or more, and tensile elongation

is 5%/5 kgf/50 mm or less. Multifilament is used for warp, and filaments different in hot water shrinkage percentage are used for both or one of warp and weft. At least one of the filaments is combined filament yarn of multifilament of 0.5 denier or less in single yarn size formed by splitting composite fiber, and a large number of loops with single yarn of fine size covering the outside are formed on the surface of the cloth. Longitudinal elongation of the cloth receiving drawing action at the time of wiping or polishing is therefore reduced so as to maintain abrasive grain holding force to a free grinding wheel and cushioning performance at the time of pressing abrasive grains.

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TITLE: Cross used for polishing substrate of magnetic
recording
medium - has many loops of fine sized yarns on
its
exterior surface and multifilament forms
filling of cross

PATENT-ASSIGNEE: KANEBO GOSEN KK[KANB] , KANEBO LTD[KANE]

PRIORITY-DATA: 1997JP-0296296 (October 13, 1997)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE |
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| PAGES MAIN-IPC | | |
| JP 3336374 B2 | October 21, 2002 | N/A |
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| JP 11114793 A | April 27, 1999 | N/A |
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APPLICATION-DATA:

| PUB-NO | APPL-DESCRIPTOR | APPL-NO |
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| JP 3336374B2 | N/A | 1997JP-0296296 |
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ABSTRACTED-PUB-NO: JP 11114793A

BASIC-ABSTRACT:

NOVELTY - The cross (4,5) are formed with satin weave and multifilament is used as filling. The tensile strength of satin weave ranges from 5-20 kgf divided by 50mm. The warp and weft threads of multifilament is made from two different polymers with different heat shrinking rates. The single yarn size

is 0.5
deniers or less and many loops of fine sized yarn covers exterior
surface of
cross. INDUSTRIAL STANDARDS - The tensile strength of satin weave
ranges from
5-10 kgf divided by 50mm based on the specification indicated in
JISL1096.

USE - Satin made cross is used for texture and varnish processing and
for
polishing substrates of magnetic recording medium.

ADVANTAGE - Enables smooth polishing of substrate, imparts required
roughness
to surface of substrate without damage and reduces the crash formed
on surface
by using satin weave made cross. DESCRIPTION OF DRAWING(S) - The
figure shows
polishing condition of substrate using cross. (4,5) Cross.

CHOSEN-DRAWING: Dwg.1/4

TITLE-TERMS: CROSS POLISH SUBSTRATE MAGNETIC RECORD MEDIUM LOOP FINE
SIZE YARN

EXTERIOR SURFACE MULTIFILAMENT FORM FILL CROSS

DERWENT-CLASS: P61 T03

EPI-CODES: T03-A02;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1999-241912